(PATENT COOPERATION TREATY (

From the: INTERNATIONAL SEARCHING AUTHORITY					
To:		PCT			
Madderns			101		
1st Floor Wolf Blass House		um	TETAL ORD HOLL OR THE		
64 Hindmarsh Square ADELAIDE SA 5000		WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY			
ADDICADE SA 3000			AND SERECTING ACTION T		
			(PCT Rule 43bis.1)		
·		Date of mailing (day/month/year)	1 5 OCT 2004		
Applicant's or agent's file reference		FOR FURTHER ACT			
21609PCT			See paragraph 2 below		
	International filing date	(day/month/year)	Priority date (day/month/year)		
	9 August 2004		8 August 2003		
International Patent Classification (IPC) or be Int. Cl. ⁷ H04L 1/16, 12/56; H03M 5/		ation and IPC			
Int. Cl. H04L 1/16, 12/56; H03M 5/	12				
CLIPSAL INTEGRATED SYSTE	EN ACI DVENZ I COD		•		
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1. This state of the state of t					
1. This opinion contains indications relating	ig to the following ite	ems:			
Box No. I Basis of the opinion		•			
Box No. II Priority					
Box No. III Non-establishment of	f opinion with regard to	novelty, inventive step a	nd industrial applicability		
X Box No. IV Lack of unity of inver	Box No. IV Lack of unity of invention				
X Box No. V Reasoned statement u citations and explanat	Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement				
X Box No. VI Certain documents cit	ted	•			
Box No. VII Certain defects in the	international application	n			
Box No. VIII Certain observations	on the international app	lication	•		
2. FURTHER ACTION					
	vamination is made thi	s opinion will be concide	and to be a written enimies of the International		
If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1 bis(b) that written opinions of this International Searching Authority will not be so considered.					
Searching Authority will not be so considered. If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form					
	PCI/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.				
For further options, see Form PCT/ISA/220	J.				
3. For further details, see notes to Form PCT/ISA/220.					
·					
Name and mailing address of the IPEA/AU		Authorized Officer			
AUSTRALIAN PATENT OFFICE PO BOX 200, WODEN ACT 2606, AUSTRALIA	,	DEN THOO			
E-mail address: pct@ipaustralia.gov.au	`	BEN TUOHY Telephone No. (02) 6283 7918			
Facsimile No. (02) 6285 3929		relephone No. (UZ)	0200 1310		

International application No.

PCT/AU2004/001053

Box	No. I Basis of the opinion
1.	With regard to the language, this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.
	This opinion has been established on the basis of a translation from the original language into the following language , which is the language of a translation furnished for the purposes of international search (under Rules 12.3 and 23.1(b)).
2.	With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:
	a. type of material
	a sequence listing
	table(s) related to the sequence listing
	b. format of material
	in written format in computer readable form
	c. time of filing/furnishing
	contained in the international application as filed.
	filed together with the international application in computer readable form.
	furnished subsequently to this Authority for the purposes of search.
3.	In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4.	Additional comments:
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International application No.

PCT/AU2004/001053

Box	No. IV	Lack of unity of invention
1.	X In re	sponse to the invitation (Form PCT/ISA/206) to pay additional fees the applicant has:
	X	paid additional fees
-		paid additional fees under protest
		not paid additional fees
2.	This appli	Authority found that the requirement of unity of invention is not complied with and chose not to invite the cant to pay additional fees.
3.	This Author	ity considers that the requirement of unity of invention in accordance with Rule 13.1, 13.2 and 13.3 is
	comp	lied with
	X not c	omplied with for the following reasons:
one	invention o	al application does not comply with the requirements of unity of invention because it does not relate to r to a group of inventions so linked as to form a single general inventive concept. In coming to this international Searching Authority has found that there are two inventions:
1.	frame inclusives first acknown state. It is on time slot, a	26 are directed to a communications protocol for use in a network of devices, the protocol having a adding a first time slot for transmitting data, a second time slot, after the first time slot, for transmitting a wledge state, and a third time slot, after the second time slot, for transmitting a second acknowledge considered that the protocol having a frame including a first time slot for transmitting data, a second fter the first time slot, for transmitting a first acknowledge state, and a third time slot, after the second for transmitting a second acknowledge state comprises a first "special technical feature".
2.	bits at a par combination particular p	- 30 are directed to a method of providing a marker in a data frame, the method including encoding data rticular point in a data sequence to provide states, generating a state combination that is an illegal n and recognising that illegal combination as a marker. It is considered that encoding data bits at a point in a data sequence to provide states, generating a state combination that is an illegal combination ising that illegal combination as a marker comprises a second "special technical feature".
rela	tionship" be	mentioned groups of claims do not share either of the technical features identified, a "technical tween the inventions, as defined in PCT rule 13.2 does not exist. Accordingly the international anot relate to one invention or to a single inventive concept.
4.	Consequently	, this opinion has been established in respect of the following parts of the international application:
	X all pa	rts
•	the pa	arts relating to claims Nos.

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Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to no applicability; citations and explanations supporting such state				
1. Statement				
Novelty (N)	Claim	ns 3, 7 – 10, 27 - 30	YES	
•	Clain	ns 1, 2, 4, 5, 6, 11 – 26	NO	
Inventive step ((S) Claim	3, 7 – 10, 27 - 30	YES	
	Claim	ns 1, 2, 4, 5, 6, 11 – 26	NO	
Industrial applic	ability (IA) Clain	ns 1-30	YES	
	Clain	ns None	NO	
	O.L.III			

2. Citations and explanations:

Documents cited for the purpose of compiling this report:

(D1) US 6574668 B1 (GUBBI et al.) 3 June 2003, see whole document in particular abstract, fig 3 and columns 7-10; and

(D2) WO 2001/078426 A1 (PROXIM, INC. et al.) 18 October 2001, see whole document in particular fig 1B and pages 3 and 4.

NOVELTY (N) claims 1, 2, 4, 5, 6, 11 - 26

- 1. Claims 1, 5, 11, 12, 17 and 21 are not novel in light of prior art documents D1 and D2 that each independently disclose all of the features defined in the claims. Each cited document independently discloses the transmission of data in a first time slot followed by at least one acknowledgement state in the following time slots. The possible acknowledgment states disclosed include MAC and/or TCP acknowledgments as disclosed in D2 and negative and/or positive acknowledgment states as disclosed in D1 (first and second acknowledgment states).
- 2. Claims 2, 4, 6, 13 16, 18 20 and 22 26 are not novel in light of prior art document D1 which discloses all of the features defined in the claims.

INVENTIVE STEP (IS) claims 1, 2, 4, 5, 6, 11 - 26

3. Claims 1, 2, 4, 5, 6, 11-26 do not involve an inventive step in light of piror art document s D1 and D2 as described in novelty objection 1 and 2 above.

International application No.

PCT/AU2004/001053

Box No. VI Certain docum	nents cited	·	101/402004/001035
1. Certain published documents	(Rules 43bis.1 and 70.10)		
Application No. Patent No.	Publication date (day/month/year)	Filing date (day/month/year)	Priority date (valid claim) (day/month/year)
WO 2004/034310 A2	22 April 2004	7 October 2003	8 October 2002
US 2003/227934 A1	11 December 2003	10 June 2003	11 June 2002
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•			
O 2004/034310 discloses al	l of the features defined in cl	laims 27 – 30.	
S 2003/227934 discloses all	of the features defined in cla	ims 1 – 8, 11 – 14, 17 – 22	and 22 – 26.
•			
Non-written disclosures (Rule	s 43 <i>bis</i> .1 and 70.9)		
Kind of non-written disclosu	ure Date of non-wri	tten disalogura	Date of written disclosure
	(day/mon		rring to non-written disclosure
			(day/month/year)
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